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Development of Information Management System for Greenhouse Gas Data

Contract: EP-W-07-071, Task Order: 0014 Lead PR Number: PR-HQ-11-10129

Summary Information

Title: Development of Information Management System for

Greenhouse Gas Data

Period of Performance: From: 10/28/10 To: 07/15/11

Award Date: Total Funding: \$176,013.00

Accounting/Appropriation Data

POP	DCN	BFTS	Fund	Org	PRC	Site/ Project	Cost Org	Obj Clss	Amount	ć
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Funding Breakout

Acct.Info	Funding Category	Amount
FY2010 - FC0418	Cost Ceiling	\$176,013.00
	Total:	\$176,013.00

Procurement Management Roles

TASK ORDER PROJECT DIFFICER:

O.S. E.P.A. Attn: LEIF E. HOCKSTAD 1200 PENNSYLVANIA AVE, NW WASHINGTON, DC 20460

Mail Code: 6207J Phone Number: (202) 343-9432 Fax Number: (202) 343-2359 E-Mail Address: hnekstad.leif@epa.gov

ALTERNATE TASK OROER PROJECT DEFICER:

U.S. E.P.A. Attn: BRIAN B. COOK 1200 PENNSYLVANIA AVE, NW WASHINGTON, DC 20460

Mail Code: 6207J Phone Number: (202) 343-9135 Fax Number: (202) 343-2359 E-Mail Address: cook.brianb@epa.gov

Task Order Totals

Category	POP	Amount
Cost Ceiling	Option 3	\$176,013.00

Development of Information Management System for Greenhouse Gas Data

Contract: EP-W-07-071, Task Order: 0014 Lead PR Number: PR-HQ-11-10129

Summary Information

Title: Development of Information Management System for Greenhouse Gas Data

Period of Performance: From: 10/28/10 To: 07/15/11

Award Date:
Total Funding: \$176,013.00

Accounting/Appropriation Data

POP	DCN	BFYS	Fund	Org	PRC	Site/ Project	Cost Org	Obj Clss	Amount	ć	
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Funding Breakout

Acct.Infn	Funding Category	Amount
FY2010 - FC0418	Cost Ceiling	\$176,013.00
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Procurement Management Roles

TASK DRDER PROJECT OFFICER:

U.S. E.P.A. Attn: LEIF E. HOCKSTAD 1200 PENNSYLVANIA AVE, NW WASHINGTOH, DC 20460

Mail Code: 6207J Phone Number: (202) 343-9432 Fax Number: (202) 343-2359 E-Mail Address: hnckstad.leif@epa.gov

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Mail Cade: 6207J
Phone Number: (202) 343-9135
Fax Wumber: (202) 343-2359
E-Mail Address: cank.brianb@epa.gnv

Task Order Totals

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Cost Ceiling	Optinn 3	\$176,013.00

Development of Information Management System for Greenhouse Gas Data

Contract: EP-W-07-071, Task Order: 0014 Lead PR Number: PR-HQ-11-10129

Summary Information

Title: Development of Information Management System for Greenhouse Gas Data

Period of Performance: From: 10/20/10
To: 07/15/11
Award Date:

Total Funding: \$176,013.00

Accounting/Appropriation Data

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Funding Breakout

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	Total:	\$176,013.00

Procurement Management Roles

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U.S. E.P.A. Attn: LEIF E. HOCKSTAD 1200 PENNSYLVANIA AVE, NW WASHINGTON, DC 20460

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Mail Code: 6207J Phane Number: (202) 343-9135 Fax Number: (202) 343-2359 E-Mail Address: conk.brianb@epa.gnv

Task Order Totals

Category	POP	Amount
Cost Ceiling	Option 3	\$176 ,0 13.00

TASK ORDER STATEMENT OF WORK

I. INTRODUCTION

The Climate Change Division (CCD) in the U.S. Environmental Protection Agency's (EPA) Office of Air and Radiation's Office of Atmospheric Programs works to assess and address global climate change and the associated risks to human health and the environment. CCD plays a key role in U.S. and international efforts to address climate change by developing and analyzing greenhouse gas data.

II. BACKGROUND AND PURPOSE

TASK ORDER STATEMENT OF WORK

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IL BACKGROUND AND PURPOSE

The following subsection describes the programs area and activities that the Contractor will support through the tasks in Section III.

Greenhouse Gas Information Management System

The functions of the greenhouse gas (GHG) Inventory Management System (IMS) will be developed through the tasks in Section III. The GHG IMS will consist of an Oracle 11g database host system residing an a centralized server, and multiple Windows desktop computers running application software at EPA and external locations. EPA users will access the host via the Intranet and external users will gain access through the firewall using a secure connection. All greenhouse gas data will be stored in the database at the host site, with the TOPO's preference for the final database system to be hosted at EPA's National Computer Center (NCC) in Raleigh, NC.

The Contractor shall continue to refine existing software architecture, improve interface software based on TOPO comments, and prioritize data element relationships following TOPO technical direction, which will support future use of the GHG IMS by EPA.

III. STATEMENT OF WORK TASKS

The Contractor shall furnish the necessary personnel, material, equipment, services and facilities to provide technical and analytical support in the task listed below in support of the program areas outlined in Section II. The purpose of the GHG IMS software developed in the following tasks is to serve as a repository for data gathered in support of the program areas outlined in Section II. The purpose of the Section III tasks listed below is primarily to develop the working software structure of the GHG IMS and its basic functionalities.

The actual calculation and population of new data for the annual UNFCCC submission in the GHG IMS software will not occur under these tasks. No duplication of work initiated through other task orders or work assignments will be performed.

Task I Project Management

The Contractor shall provide project management under this task, and shall submit a Monthly Status Report to EPA's TOPO and Contracting Officer (CO) in accordance with the Project Reporting section below. During the Period of Performance, the Contractor shall immediately inform the TOPO and CO by telephone and/or email of any problems that may impede performance along with any corrective actions needed by the EPA or the Contractor to solve the problem.

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Under this Task, the Contractor shall also attend a kick-off meeting, either via conference call or in-person, whichever is most cost effective to the Government, to discuss the goals and strategy for completing the deliverables. At the kick-off meeting the TOPO will discuss the current state of the GHG IMS, discuss priority areas in the task areas, and prepare a timeline for soliciting technical feedback from the TOPO on experiences in using the beta version of the GHG IMS software. The Contractor, under this Task, will also attend a wrap-up meeting at the end of the period of performance to discuss work completed under the Tasks in Section III.

Deliverables and schedule under Task 1:

Task 1.1	Task 1 Deliverable Attend Kick-off Meeting	Due Date
1887 1.1	Vocari vice-on weemig	Within 2 weeks of award of Task Order
Task 1.2	Monthly Status Report	By 10th business day each month
Task 1.3	Attend End of POP Meeting	At least 2 weeks prior to end of the
		Period of Performance, per TOPO
1	_	direction

Task 2

Data Migration and Refinement of Data Element Structures

Under this Task, the Contractor shall continue development of the primary functions of the GHG IMS database to link data elements necessary for the storing, calculation, and addition of GHG data developed in conjunction with the annual U.S. GHG Inventory. For the purposes of this task, data migration is in reference to the storage of calculation methodologies, and related data elements to those calculations, inherent in the producing the annual U.S. GHG Inventory. Newer iterations of calculation methodologies and data elements shall be placed in the GHG IMS, and the Contractor shall respond to TOPO technical direction on the most efficient and accurate manner in which to migrate that data and set systems in place for allowing for future calculations from that data.

Additional data migrations will occur under this task introducing the necessary data element structures and relationships for various sectors as defined by the lutergovernmental Panel on Climate Change (IPCC) (which may include, but not be limited to, Agriculture and Land Use, Land-Use Change and Forestry).

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		Order
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The Contractor, relying on TOPO technical direction, shall, as part of the data migration, devise procedures for handing naming conventions of data elements, reconciling and, if necessary, eliminating duplicate information, and simplifying and codifying standard reference constants to eliminate duplicate or conflicting data elements. The Contractor shall work closely with the TOPO to design data element relationships, after data migration is complete, to handle complex data element interactions across source categories and source category lead responsibilities (in conjunction with work which will be undertaken in Task 3). As part of the data migration, duplicative calculation procedures currently embedded in the calculations of the annual U.S. GHG Inventory shall be codified to allow for streamlined data element interactions and subsequent calculated data element creation with in the GHG IMS.

Deliverables and schedule under Task 2:

	Task 2 Deliverable	Duc Date
Task 2.1	Data Migrations Structure Charts	Within 2 weeks of TOPO technical
	based on IPCC sectors	direction for each IPCC sector
Task 2.2	Progress reports on data migration	Within 2 weeks of TOPO technical
	from updated U.S. GHG Inventory	direction for each IPCC sector
Task 2.3	Status reports on methodological	Within 2 weeks of TOPO technical
	refinements based on updated data migration efforts	direction for each IPCC sector
Task 2.4	Archive functionality testing of prior data migration	Within 6 months of TOPO technical direction
Task 2.5	Software Updates	Quarterly after award of Task Order

Task 3

Development of Ancillary Data Set Design and Functions

Under this Task, the Contractor shall continue development of the architecture of the IMS design, with a focus on building out structures and components of the IMS to handle ancillary data sets. These ancillary data sets will not be used directly in the calculation functions of the IMS, but will serve as repositories for additional, related data to the inventory calculations that can be upleaded to the IMS. The Contractor shall design the structure for housing these data sets, and further refine query tools, as directed by the TOPO. For example, facility level data may be exported from other database systems outside of IMS, and would be able to be uploaded in to IMS for comparative purposes. The Contractor will work with the TOPO to explore further design features to enhance the operability of users experiences with this data.

The Contractor shall refine the overall modules to allow access to the ancillary data sets, while allowing primary calculation functions to continue to orient user interfaces, as developed under Task 4. The primary goal of this task to develop housing for data not related to calculations of GHG emissions, but noting that the primary goal of the overall GHG IMS is to provide the functions to calculated GHG emissions.

The Contractor, relying on TOPO technical direction, shall, as part of the data migration, devise procedures for handing naming conventions of data clements, reconciling and, if necessary, eliminating duplicate information, and simplifying and codifying standard reference constants to eliminate duplicate or conflicting data elements. The Contractor shall work closely with the TOPO to design data element relationships, after data migration is complete, to handle complex data element interactions across source categories and source category lead responsibilities (in conjunction with work which will be undertaken in Task 3). As part of the data migration, duplicative calculation procedures currently embedded in the calculations of the annual U.S. GHG Inventory shall be codified to allow for streamlined data element interactions and subsequent calculated data element creation with in the GHG IMS.

Deliverables and schedule under Task 2:

	Task 2 Deliverable	Due Date
Task 2.1	Data Migrations Structure Charts	Within 2 weeks of TOPO technical
:	based on IPCC sectors	direction for each IPCC sector
Task 2.2	Progress reports on data migration	Within 2 weeks of TOPO technical
	from updated U.S. GHG Inventory	direction for each IPCC sector
Task 2.3	Status reports on methodological	Within 2 weeks of TOPO technical
	refinements based on updated data	direction for each IPCC sector
	migration efforts	
Task 2.4	Archive functionality testing of	Within 6 months of TOPO technical
	prior data migration	direction
Task 2.5	Software Updates	Quarterly after award of Task Order

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Deliverables and schedule under Task 2:

		
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	based on IPCC sectors	direction for each IPCC sector
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Deliverables and schedule under Task 3:

	Task 3 Deliverable	Due Date
Task 3.1	Proposed ancillary data structure	Within 2 weeks of TOPO technical
. .	design	direction
Task 3.2	Refined Functionality Testing	Within 4 months of award of Task
i	· ·	Order
Task 3.3	Refined Security Testing	Within 6 months of award of Task
	•	Order .
Task 3.4	Documentation	Within 6 months of award of Task
J		Order

Task 4 User Interface and Data Administration Enhancements

The user interface for the GHG IMS features an interface to the database similar to Windows Explorer, to facilitate ease of use. A tree control structure within the interface allows users to expand and collapse portions of the visible database in a manner that is similar to working with folders and files in Windows.

Under this Task, the Contractor shall refine the existing beta version of the user interface based on comments and technical direction from the TOPO. Such refinements will include expanded source category management per administrative privileges granted to the user roles developed under Task 3. The work under this task for the user interface will also include the development of a "calculator" tool, which will allow source category users to improve estimation methodologies and subsequent data element relationships. Also within this task, the Contractor shall develop methodology for running recalculations for the entire inventory. This methodology shall include the appropriate user interfaces and quality assurance checks to ensure calculations are carried out accurately and appropriately. This functionality shall also include the ability to turn on and off automatic recalculations of the inventory based on user preference.

The Contractor shall design besic analytical tools accessed via the user interface, based on TOPO technical guidance, which may include, but not be limited to, recalculation analyses, uncertainty analyses, "bottom-up" data comparisons, and bulk export of calculated GHG data elements. All analytical tools will be linked to specific user privileges developed under Task 3.

Under this Task, the Contractor shall also continue development of the primary functions of the GHG IMS database design to manage data administration. These will include version control of iterative development databases, and control functions for access to these databases.

Deliverables and schedule under Task 3;

	Task 3 Deliverable	Due Date
Task 3.1	Proposed ancillary data structure	Within 2 weeks of TOPO technical
1.	design	direction
Task 3.2	Refined Functionality Testing	Within 4 months of award of Task
		Order
Task 3.3	Refined Security Testing	Within 6 months of award of Task
		Order
Task 3.4	Documentation	Within 6 months of award of Task
1		Order

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Task 3.3	Refined Security Testing	Within 6 months of award of Task
	, ,	Order
Task 3.4	Documentation	Within 6 months of award of Task
		Order

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The Contractor shall also engage in a deployment strategy for distribution of installation another for the user interface to EPA source category leads, and potentially their contractor support (if requested specifically by the TOPO during the period of performance). Such deployment will be done in conjunction with the necessary procedures for installation on EPA's Customer Technology Solutions (CTS) computer system.

Deliverables and schedule under Task 4:

	Task 4 Deliverable	Due Date
Task 4.1	Reaction to refined User Interface	Within 4 weeks of TOPO technical
	Designs	direction
Task 4.2	Refined User Interface	Within 6 months of award of Tusk
	Functionality Testing	Order
Task 4.3	Security Testing	Within 6 months of award of Task
	, ,	Order
Task 4.4	Documentation	Within 6 months of award of Task
		Order
Task 4.5	Reports and Custom Query	Within 6 months of TOPO technical
	Module Designs	direction
Task 4.6	Software Updates	Quarterly after award of Task Order

Task 5 Network & Architecture Support

The Contractor shall provide support to the TOPO on issues related to the deployment of the IMS on the available EPA network. Currently, the beta version of the GHG IMS being tested resides on the Contractor's server. This task would include the installation and testing of network software to the uses of the data system. As work is completed under that tasks included in this statement of work, improving the fundamental structure and interface of the GHG IMS, work will begin on a strategy for migration to EPA's host

Such work could also include requested support to the TOPO with the installation of Aventail (Anytime Anyplace Access) to users outside EPA's firewall, or requested support with the Application Deployment Checklist (ADC) submission for use of EPA's NCC.

Deliverables and schedule under Task 5:

Task 5.1	Task 5 Deliverable Documentation of Network & Architecture issues and solutions	Due Date As determined by the TOPO
Task 5.2	Software Installation and Testing	As determined by the TOPO
Task 5.3	Support for Application	As determined by the TOPO

The Contractor shall also engage in a deployment strategy for distribution of installation software for the user interface to EPA source category leads, and potentially their contractor support (if requested specifically by the TOPO during the period of performance). Such deployment will be done in conjunction with the necessary procedures for installation on EPA's Customer Technology Solutions (CTS) computer system.

Deliverables and schedule under Task 4:

	Task 4 Deliverable	Due Date
Task 4.1	Reaction to refined User Interface	Within 4 weeks of TOPO technical
	Designs	direction
Task 4.2	Refined User Interface	Within 6 months of award of Task
l .	Functionality Testing	Order
Task 4.3	Security Testing	Within 6 months of award of Task
1	• •	Order
Task 4.4	Documentation	Within 6 months of award of Task
		Order
Task 4.5	Reports and Custom Query	Within 6 months of TOPO technical
1	Module Designs	direction
Task 4.6	Software Updates	Quarterly after award of Task Order

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<u>Deliverables and schedule under Task 5:</u>

Task 5.1	Task 5 Deliverable Documentation of Network & Architecture issues and solutions	Due Date As determined by the TOPO
Task 5.2 Task 5.3	Software Installation and Testing Support for Application	As determined by the TOPO As determined by the TOPO

The Contractor shall also engage in a deployment strategy for distribution of installation software for the user interface to EPA source category leads, and potentially their contractor support (if requested specifically by the TOPO during the period of performance). Such deployment will be done in conjunction with the necessary procedures for installation on EPA's Customer Technology Solutions (CTS) computer system.

Deliverables and schedule under Task 4:

	Task 4 Deliverable	Due Date
Task 4.1	Reaction to refined User Interface	Within 4 weeks of TOPO technical
	Designs	direction
Task 4.2	Refined User Interface	Within 6 months of award of Task
	Functionality Testing	Order
Task 4.3	Security Testing	Within 6 months of award of Task
	•	Order
Task 4.4	Documentation	Within 6 months of award of Task
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Deliverables and schedule under Task 5:

Task 5.1	Task 5 Deliverable Documentation of Network & Architecture issues and solutions	Due Date As determined by the TOPO
Task 5.2	Software Installation and Testing	As determined by the TOPO
Task 5.3	Support for Application	As determined by the TOPO

Task 5.4	Deployment Checklist Strategy for migration of GHG IMS to EPA's host server	As determined by the TOPO
	11713) RJ 14 11 3 21031 862 FCI	

III. PROJECT REPORTING

Monthly Status Report

The Contractor shall provide monthly status reports that shall include, at a minimum, the following information for each of the above tasks and a summary of all tasks:

- Activities of the past month a summary of the actions taken and progress made on all outstanding tasks for the past month.
- Activities of the next month a review of the work planned to be done to meet task requirements.
- Problems/Issues a discussion of problems or difficulties either anticipated or encountered.
- Hours as applicable, total bours expended during the month, and cumulative total to date. Hours expended must be identified by individual and labor estegory.
- Funds as applicable, total funds expended during the month, cumulative total to date, outstanding commitments, and percentage of approved funds spent to date.

Distribution of Deliverables

All deliverables including status reports between the Contractor and the Government shall be delivered as:

- One copy in paper or electronic format to the EPA TOPO and EPA Contracting Officer.
- The Contractor shall deliver all draft, and final reports, briefing materials and minutes, data sets, etc. in hard copy or electronic format (HTML, Visio, Microsoft Word, Acrobat, etc. as appropriate) via a delivery service or electronic mail.
- The Contractor shall submit a Letter of Transmittal with each deliverable, unless otherwise noted, which includes, at a minimum, the task/deliverable identified, type (draft or final), due date, submission date, deliverable name, and name of EPA TOPO.
- Upon the EPA TOPO's acceptance of the last module for each application, the Contractor shall deliver one copy of the final source code, executable code, and Final Specifications Manual to the EPA TOPO and EPA Contracting Officer on one or more CD(s).

The U.S. EPA TOPO will review deliverables for technical content, completeness, and grammar. Final inspection, testing and acceptance of all reports, code, and other deliverables will be performed by the EPA TOPO or other individual(s) designated as subject matter technical expert(s) by the EPA TOPO.

IV. PERIOD OF PERFORMANCE

The period of performance for this Task Order is from date of award to July 18, 2011.

		Deployment Checklist	
	Task 5.4	Strategy for migration of GHG	As determined by the TOPO
٠,		IMS to EPA's host server	

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	Deployment Checklist	
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Order Ceiling and Funding for Option Period

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QREER NO. 10/28/2828 EP-W-07-871 ITEM NO. QUANTITY UNIT DROERED (d) (d) **CUPPLESSERVICES** MACHINE CHARTTY PROCE ACCEPTED: Admin Office: US ENVIRONMENTAL PROTECTION AGENCY HEADQUARTERS PROCUREMENT OPERATIONS ARIKL RIOS BUILDING 1200 PERNSYLVANIA AVENUE NW WASHINGTON DC 20468 Accounting Info; 10-11-B-58F7-105A46C-2585-LSMD0888-1058FC041 8-001 BFT: 18 EFY: 11 Fund: B Budget Org: 58F7 Program (PRC): 105A46C Budget (BOC): 2505 Job #: LSMD0800 BCN - Line 1B: 1858FC0410-801 Peeiod of Performance: 10/28/2010 to 07/15/2011 Order Celling and Funding for BASB Period

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ORDER FOR SUPPLIES OR SERVICES SCHEDULE - CONTINUATION

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2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE	DATE	4. REQ	UISITION/PURCHASE REQ. NO.	5. PRC		(If applicable)
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WASHINGTON DC 20460 8. NAME AND ADDRESS OF CONTRACTOR (No., atreet)	Name of the last	17/0 (lo.	INGTON DC 20460 AMENDMENT OF SOLICITATION NO.			
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SYSTEMS RESEARCH AND APPLICAY ATTN NA	TIONS CO	RPORATION	9B.	DATED (SEE ITEM 11)			
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			10E	DATED (SEE ITEM 13)			
CODE (b)(4)	FACILITY COL	DE	1	0/28/2010		-	
	11. THIS IT	M ONLY APPLIES TO A	MEN DA	ENTS OF SOLICITATIONS			
The above numbered solicitation is amended as set for	orth in Item 14. 1	The hour and date specific	ed for re	ceipt of Offers is eat	ended.	☐ is not exc	tended.
12 ACCOUNTING AND APPROPRIATION DATA (If req See Schedule 13. THIS ITEM ONLY APPLIES TO M		F CONTRACTS/ORDERS	s. IT MK	DOFFES THE CONTRACT/ORDER NO. AS D	ESCRIBE	D IN ITEM	14.
is inglianous proportion	DIFFCHON	T CONTROL SICKDER		THE CONTINUE PORDER NO. P.S. S.	COOMIDE		
CHECK ONE A THIS CHANGE ORDER IS ISSUED FORDER NO. IN ITEM 10A.	PURSUANT TO:	(Specify authority) THE	CHANG	ES SET FORTH IN ITEM 14 ARE MADE IN	THECON	TRACT	
B. THE ABOVE NUMBERED CONTRAC appropriation date, etc.) SET FORTH	CT/ORDER IS M	ODIFIED TO REFLECT T URSUANT TO THE AUTH	HE AD	MINISTRATIVE CHANGES (such as change) OF FAR 43.103(b).	s in paying	g office,	
Х							
C. THIS SUPPLEMENTAL AGREEMEN	IT IS ENTERED	INTO PURSUANT TO AL	лнов	TY OF:			
D. OTHER (Specify type of modification	and authority)						
E. IMPORTANT: Contractor 🔯 is not.	☐ is required t	o sign this document and	return	O copies to the issuin	ng office.		
14. DESCRIPTION OF AMENDMENT/MODIFICATION	(Organized by U	CF section headings, incl	luding a	olicitation/contract subject metter where fees	ible.)		
DUNS Number: (b)(4)	•						
The purpose of this modification	tion is	to provide a	no o	cost extension to Septe	mber	30, 2	:011
and to designate Margaret Kl	ine as t	he Contractin	ıg O	ficer and Administrati	ve C	ontrac	ting
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TOPO: Leif Hockstad Max Expi	re Date:	09/30/2011					
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Except as provided herein, all terms and conditions of the	e document refe	ranced in Hem Q& or 104	as han	strifters changed remains unchanged and in (iuli force o	and effort	
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(Signature of person authorized to sign)			1	(Signature of Contracting Officer)		1	

NSN 7540-01-152-8070 Previous edition unusable STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53,243 CONTINUATION SHEET RE-W-07-071/14/001

NAME OF OFFEROR OF CONTRACTOR
SYSTEMS RESEARCH AND APPLICATIONS CORPORATION

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SYSTEMS ATTN NA 4300 FA	RESEARCH AND APPLI		RPORATION	98. x 10/ E I	DATED (SEE ITEM 11) A MODIFICATION OF CONTRACT/ORDER IP-W-07-071	NO.	
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separate le THE PLAC virtue of the to the solic	E DESIGNATED FOR THE RECEIPT is amendment you desire to change a station and this amendment, and is rec	rence to the solicitation OF OFFERS PRIOR In offer already submitt beived prior to the open	n and amendment number TO THE HOUR AND DA red, such change may be	ers. FA ATE SPI e made i	ceipt of this amendment on each copy of the or ILURE OF YOUR ACKNOWLEDGEMENT TO ECIFIED MAY RESULT IN REJECTION OF Y by telegram or letter, provided each telegram	D BE RECEIVE YOUR OFFER. or letter makes	ED AT If by reference
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SYSTEMS RESEARCH AND APPLICATIONS CORPORATION

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	Task 7 Deliverable				
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	Due Date: Two months from date of award				
	Task 7.2 Final summary report with facility				
	counts				
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	Alt COR: Erien Cook				
	CB and Admin CO: Margacet Kline				
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NAME OF OFFEROR OR CONTRACTOR
SYSTEMS RESEARCH AND APPLICATIONS CORPORATION

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SYSTEMS RESEARCH AND APPLICATIONS CORPORATION

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NAME OF OFFEROR OR CONTRACTOR

SYSTEMS RESEARCH AND APPLICATIONS CORPORATION

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SYSTEMS RESEARCH AND APPLICATIONS CORPORATION

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NAME OF OFFERIOR OR CONTRACTOR

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